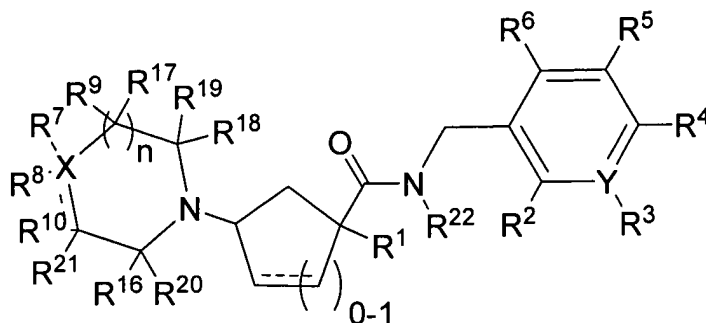


## Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

## Listing of Claims

1. (currently amended) A compound of Formula I:



**I**

wherein:

~~X is C, N, O, S or SO<sub>2</sub>;~~ X is C;

~~Y is N or C;~~ Y is N;

R<sup>1</sup> is selected from: hydrogen, -SO<sub>2</sub>R<sup>14</sup>, -C<sub>0-3</sub>alkyl-S(O)R<sup>14</sup>, -SO<sub>2</sub>NR<sup>12</sup>R<sup>12</sup>, -C<sub>1-6</sub>alkyl, -C<sub>0-6</sub>alkyl-O-C<sub>1-6</sub>alkyl, -C<sub>0-6</sub>alkyl-S-C<sub>1-6</sub>alkyl, -(C<sub>0-6</sub>alkyl)-(C<sub>3-7</sub>cycloalkyl)-(C<sub>0-6</sub>alkyl), hydroxy, heterocycle, -CN, -NR<sup>12</sup>R<sup>12</sup>, -NR<sup>12</sup>COR<sup>13</sup>, -NR<sup>12</sup>SO<sub>2</sub>R<sup>14</sup>, -COR<sup>11</sup>, -CONR<sup>12</sup>R<sup>12</sup>, and phenyl,

where said alkyl and said cycloalkyl are unsubstituted or substituted with 1-7 substituents independently selected from: halo, hydroxy, -O-C<sub>1-3</sub>alkyl, trifluoromethyl, C<sub>1-3</sub>alkyl, -O-C<sub>1-3</sub>alkyl, -COR<sup>11</sup>, -SO<sub>2</sub>R<sup>14</sup>, -NHCOCH<sub>3</sub>, -NHSO<sub>2</sub>CH<sub>3</sub>, -heterocycle, =O, and -CN,

where said phenyl and said heterocycle are unsubstituted or substituted with 1-3 substituents independently selected from: halo, hydroxy, C<sub>1-3</sub>alkyl, C<sub>1-3</sub>alkoxy and trifluoromethyl;

R<sup>2</sup> is selected from: hydrogen, C<sub>1-3</sub>alkyl unsubstituted or substituted with 1-3 fluoro, -O-C<sub>1-3</sub>alkyl unsubstituted or substituted with 1-3 fluoro, hydroxy, chloro, fluoro, bromo, phenyl and heterocycle;

~~R<sup>3</sup> is selected from: hydrogen, hydroxy, halo, C<sub>1-3</sub>alkyl unsubstituted or substituted with 1-6 substituents independently selected from fluoro, hydroxy, and COR<sup>11</sup>, NR<sup>12</sup>R<sup>12</sup>, COR<sup>11</sup>, CONR<sup>12</sup>R<sup>12</sup>, NR<sup>12</sup>COR<sup>13</sup>, OCONR<sup>12</sup>R<sup>12</sup>, NR<sup>12</sup>CONR<sup>12</sup>R<sup>12</sup>, heterocycle, CN, NR<sup>12</sup>SO<sub>2</sub>NR<sup>12</sup>R<sup>12</sup>, NR<sup>12</sup>SO<sub>2</sub>R<sup>14</sup>, SO<sub>2</sub>NR<sup>12</sup>R<sup>12</sup> and nitro, when Y is C; or~~

~~R<sup>3</sup> is oxygen or is absent, when Y is N; R<sup>3</sup> is oxygen or is absent;~~

R<sup>4</sup> is selected from: hydrogen, C<sub>1-6</sub>alkyl, trifluoromethyl, trifluoromethoxy, chloro, fluoro, bromo, and phenyl;

R<sup>5</sup> is selected from: C<sub>1-6</sub>alkyl unsubstituted or substituted with one or more substituents selected from 1-6 fluoro and hydroxyl, -O-C<sub>1-6</sub>alkyl unsubstituted or substituted with 1-6 fluoro, -CO-C<sub>1-6</sub>alkyl unsubstituted or substituted with 1-6 fluoro, -S-C<sub>1-6</sub>alkyl unsubstituted or substituted with 1-6 fluoro, -pyridyl unsubstituted or substituted with one or more substituents selected from halo, trifluoromethyl, C<sub>1-4</sub>alkyl and COR<sup>11</sup>, fluoro, chloro, bromo, -C<sub>4-6</sub>cycloalkyl, -O-C<sub>4-6</sub>cycloalkyl, phenyl unsubstituted or substituted with one or more substituents selected from halo, trifluoromethyl, C<sub>1-4</sub>alkyl and COR<sup>11</sup>, -O-phenyl unsubstituted or substituted with one or more substituents selected from halo, trifluoromethyl, C<sub>1-4</sub>alkyl and

COR<sup>11</sup>, -C<sub>3-6</sub>cycloalkyl unsubstituted or substituted with 1-6 fluoro, -O-C<sub>3-6</sub>cycloalkyl unsubstituted or substituted with 1-6 fluoro, -heterocycle, -CN and -COR<sup>11</sup>;

R<sup>6</sup> is selected from: hydrogen, C<sub>1-6</sub>alkyl, trifluoromethyl, fluoro, chloro and bromo;

~~R<sup>7</sup> is nothing when X is O, S, or SO<sub>2</sub>;~~

R<sup>7</sup> is selected from: hydrogen, (C<sub>0-6</sub>alkyl)-phenyl, (C<sub>0-6</sub>alkyl)-heterocycle, (C<sub>0-6</sub>alkyl)-C<sub>3-6</sub>cycloalkyl, (C<sub>0-6</sub>alkyl)-COR<sup>11</sup>, (C<sub>0-6</sub>alkyl)-(alkene)-COR<sup>11</sup>, (C<sub>0-6</sub>alkyl)-SO<sub>3</sub>H, (C<sub>0-6</sub>alkyl)-W-C<sub>0-4</sub>alkyl, (C<sub>0-6</sub>alkyl)-CONR<sup>12</sup>-phenyl and (C<sub>0-6</sub>alkyl)-CONR<sup>15</sup>-V-COR<sup>11</sup>, ~~when X is C or N,~~

where V is selected from C<sub>1-6</sub>alkyl and phenyl,

where W is selected from: a single bond, -O-, -S-, -SO-, -SO<sub>2</sub>-, -CO-, -CO<sub>2</sub>-, -CONR<sup>12</sup>- and -NR<sup>12</sup>-,

where said C<sub>0-6</sub>alkyl is unsubstituted or substituted with 1-5 substituents independently selected from: halo, hydroxy, -C<sub>0-6</sub>alkyl, -O-C<sub>1-3</sub>alkyl, trifluoromethyl and -C<sub>0-2</sub>alkyl-phenyl,

where said alkene is unsubstituted or substituted with 1-3 substituents independently selected from: halo, trifluoromethyl, C<sub>1-3</sub>alkyl, phenyl and heterocycle;

where said phenyl, heterocycle, cycloalkyl and C<sub>0-4</sub>alkyl are independently unsubstituted or substituted with 1-5 substituents independently selected from: halo, trifluoromethyl, hydroxy, C<sub>1-6</sub>alkyl, -O-C<sub>1-3</sub>alkyl, -C<sub>0-3</sub>-COR<sup>11</sup>, -CN, -NR<sup>12</sup>R<sup>12</sup>, -CONR<sup>12</sup>R<sup>12</sup> and -C<sub>0-3</sub>-heterocycle,

or where said phenyl and heterocycle are fused to another heterocycle, which itself may be unsubstituted or substituted with 1-2 substituents independently selected from hydroxy, halo,  $-\text{COR}^{11}$ , and  $-\text{C}_{1-4}\text{alkyl}$ ;

$\text{R}^8$  is selected from: hydrogen, hydroxy,  $\text{C}_{1-6}\text{alkyl}$ ,  $\text{C}_{1-6}\text{alkyl-hydroxy}$ ,  $-\text{O}-\text{C}_{1-3}\text{alkyl}$ ,  $-\text{COR}^{11}$ ,  $-\text{CONR}^{12}\text{R}^{12}$  and  $-\text{CN}$ , ~~when X is C, or~~ or

$\text{R}^8$  is nothing ~~when X is O, S,  $\text{SO}_2$  or N, or~~ when a double bond joins the carbons to which  $\text{R}^7$  and  $\text{R}^{10}$  are attached;

or  $\text{R}^7$  and  $\text{R}^8$  are joined together to form a ring which is selected from: 1H-indene, 2,3-dihydro-1H-indene, 2,3-dihydro-benzofuran, 1,3-dihydro-isobenzofuran, 2,3-dihydro-benzothiofuran, 1,3-dihydro-isobenzothiofuran, 6H-cyclopenta[d]isoxazol-3-ol, cyclopentane and cyclohexane,

where said ring is unsubstituted or substituted with 1-5 substituents independently selected from: halo, trifluoromethyl, hydroxy,  $\text{C}_{1-3}\text{alkyl}$ ,  $-\text{O}-\text{C}_{1-3}\text{alkyl}$ ,  $-\text{C}_{0-3}-\text{COR}^{11}$ ,  $-\text{CN}$ ,  $-\text{NR}^{12}\text{R}^{12}$ ,  $-\text{CONR}^{12}\text{R}^{12}$  and  $-\text{C}_{0-3}\text{-heterocycle}$ ;

$\text{R}^9$  and  $\text{R}^{10}$  are independently selected from: hydrogen, hydroxy,  $\text{C}_{1-6}\text{alkyl}$ ,  $\text{C}_{1-6}\text{alkyl}-\text{COR}^{11}$ ,  $\text{C}_{1-6}\text{alkyl-hydroxy}$ ,  $-\text{O}-\text{C}_{1-3}\text{alkyl}$ ,  $=\text{O}$  when  $\text{R}^9$  or  $\text{R}^{10}$  is connected to the ring via a double bond and halo;

or  $\text{R}^7$  and  $\text{R}^9$ , or  $\text{R}^8$  and  $\text{R}^{10}$ , are joined together to form a ring which is phenyl or heterocycle,

where said ring is unsubstituted or substituted with 1-7 substituents independently selected from: halo, trifluoromethyl, hydroxy,  $\text{C}_{1-3}\text{alkyl}$ ,  $-\text{O}-\text{C}_{1-3}\text{alkyl}$ ,  $-\text{COR}^{11}$ ,  $-\text{CN}$ ,  $-\text{NR}^{12}\text{R}^{12}$  and  $-\text{CONR}^{12}\text{R}^{12}$ ;

$\text{R}^{11}$  is independently selected from: hydroxy, hydrogen,  $\text{C}_{1-6}\text{alkyl}$ ,  $-\text{O}-\text{C}_{1-6}\text{alkyl}$ , benzyl, phenyl,  $\text{C}_{3-6}\text{cycloalkyl}$ ,

where said alkyl, phenyl, benzyl or cycloalkyl group is unsubstituted or substituted with 1-3 substituents independently selected from: halo, hydroxy, C<sub>1-3</sub>alkyl, C<sub>1-3</sub>alkoxy, -CO<sub>2</sub>H, -CO<sub>2</sub>-C<sub>1-6</sub> alkyl, and trifluoromethyl;

R<sup>12</sup> is selected from: hydrogen, C<sub>1-6</sub> alkyl, benzyl, phenyl and C<sub>3-6</sub> cycloalkyl,

where said alkyl, phenyl, benzyl or cycloalkyl group is unsubstituted or substituted with 1-3 substituents independently selected from: halo, hydroxy, C<sub>1-3</sub>alkyl, C<sub>1-3</sub>alkoxy, -CO<sub>2</sub>H, -CO<sub>2</sub>-C<sub>1-6</sub> alkyl and trifluoromethyl;

R<sup>13</sup> is selected from: hydrogen, C<sub>1-6</sub> alkyl, -O-C<sub>1-6</sub>alkyl, benzyl, phenyl and C<sub>3-6</sub> cycloalkyl,

where said alkyl, phenyl, benzyl or cycloalkyl group is unsubstituted or substituted with 1-3 substituents independently selected from: halo, hydroxy, C<sub>1-3</sub>alkyl, C<sub>1-3</sub>alkoxy, -CO<sub>2</sub>H, -CO<sub>2</sub>-C<sub>1-6</sub> alkyl, and trifluoromethyl;

R<sup>14</sup> is selected from: hydroxy, C<sub>1-6</sub> alkyl, -O-C<sub>1-6</sub>alkyl, benzyl, phenyl and C<sub>3-6</sub> cycloalkyl,

where said alkyl, phenyl, benzyl or cycloalkyl group is unsubstituted or substituted with 1-3 substituents independently selected from: halo, hydroxy, C<sub>1-3</sub>alkyl, C<sub>1-3</sub>alkoxy, -CO<sub>2</sub>H, -CO<sub>2</sub>-C<sub>1-6</sub> alkyl and trifluoromethyl;

R<sup>15</sup> is hydrogen or C<sub>1-4</sub>alkyl, or R<sup>15</sup> is joined via a 1-5 carbon tether to one of the carbons of V to form a ring;

R<sup>17</sup>, R<sup>19</sup>, R<sup>20</sup> and R<sup>21</sup> are independently selected from: hydrogen, hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkyl-COR<sup>11</sup>, C<sub>1-6</sub>alkyl-hydroxy, -O-C<sub>1-3</sub>alkyl, trifluoromethyl and halo;

~~R<sup>16</sup> and R<sup>18</sup> are independently selected from: hydroxy, C<sub>1-6</sub>alkyl, C<sub>1-6</sub>alkyl-COR<sup>11</sup>, C<sub>1-6</sub>alkyl-hydroxy, O-C<sub>1-3</sub>alkyl and halo;~~

~~where said alkyl is unsubstituted or substituted with 1-6 substituents independently selected from fluoro and hydroxyl;~~

~~or R<sup>16</sup> and R<sup>18</sup> together form a bridge consisting of -C<sub>1-4</sub>alkyl-, -C<sub>0-2</sub>alkyl-O-C<sub>1-3</sub>alkyl- or -C<sub>1-3</sub>alkyl-O-C<sub>0-2</sub>alkyl-, where said alkyl is unsubstituted or substituted with 1-2 substituents independently selected from: oxy where the oxygen is joined to said bridge via a double bond, fluoro, hydroxy, methoxy, methyl and trifluoromethyl;~~

R<sup>22</sup> is selected from: hydrogen, phenyl, C<sub>1-6</sub>alkyl which is substituted or unsubstituted with 1-6 substituents selected from: -COR<sup>11</sup>, hydroxy, fluoro, chloro and -O-C<sub>1-3</sub>alkyl;

or R<sup>2</sup> and R<sup>22</sup> together are a linker, forming a heterocycle ring, said linker selected from (with the left side of the linker being bonded to the amide nitrogen at R<sup>22</sup>): -CH<sub>2</sub>(CR<sup>23</sup>R<sup>23</sup>)<sub>1-3</sub>-, -CH<sub>2</sub>-NR<sup>24</sup>-, -NR<sup>12</sup>-CR<sup>23</sup>R<sup>23</sup>-, -CH<sub>2</sub>O-, -CH<sub>2</sub>SO<sub>2</sub>-, -CH<sub>2</sub>SO-, -CH<sub>2</sub>S-, -CR<sup>23</sup>R<sup>23</sup>-;

R<sup>23</sup> is independently selected from: hydrogen, C<sub>1-3</sub>alkyl unsubstituted or substituted with 1-6 substituents independently selected from fluoro and hydroxy, COR<sup>13</sup>, SO<sub>2</sub>R<sup>14</sup>, SO<sub>2</sub>NR<sup>12</sup>R<sup>12</sup>, hydroxy, halo, -NR<sup>12</sup>R<sup>12</sup>, -COR<sup>11</sup>, -CONR<sup>12</sup>R<sup>12</sup>, -NR<sup>12</sup>COR<sup>13</sup>, -OCONR<sup>12</sup>R<sup>12</sup>, -NR<sup>12</sup>CONR<sup>12</sup>R<sup>12</sup>, -heterocycle, -CN, -NR<sup>12</sup>-SO<sub>2</sub>-NR<sup>12</sup>R<sup>12</sup>, -NR<sup>12</sup>-SO<sub>2</sub>-R<sup>14</sup>, and -SO<sub>2</sub>-NR<sup>12</sup>R<sup>12</sup>;

or one R<sup>23</sup> is =O and the other R<sup>23</sup> is absent;

where R<sup>24</sup> is selected from: hydrogen, C<sub>1-3</sub>alkyl where said alkyl is unsubstituted or substituted with 1-6 substituents independently selected from fluoro and hydroxy, COR<sup>13</sup>, SO<sub>2</sub>R<sup>14</sup> and SO<sub>2</sub>NR<sup>12</sup>R<sup>12</sup>;

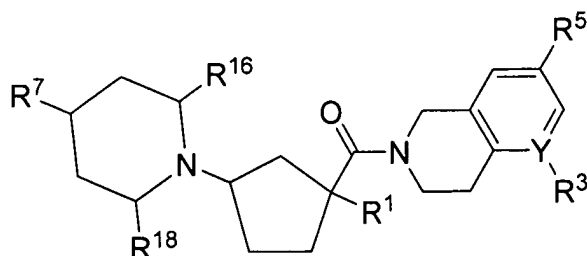
n is selected from 0, 1 and 2;

the dashed line represents an optional bond;

and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

2. (canceled)

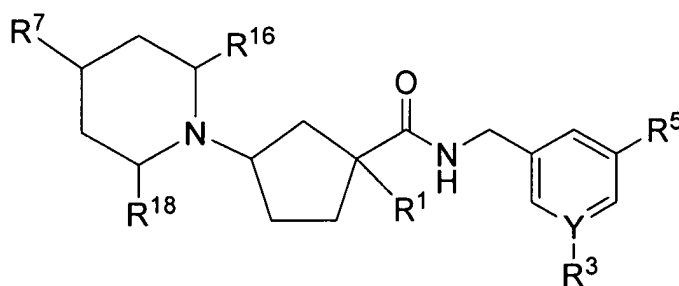
3. (original) The compound of claim 1 of the Formula Ia:



**Ia**

and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

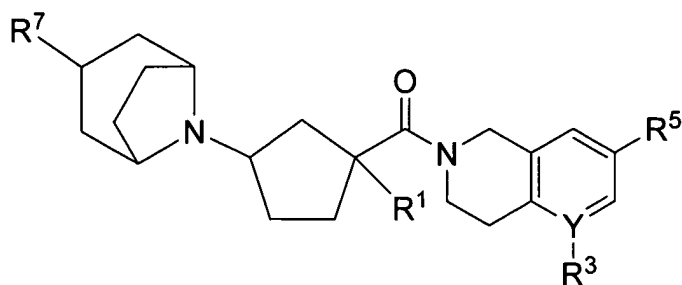
4. (original) The compound of claim 1 of the Formula Ib:



**Ib**

and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

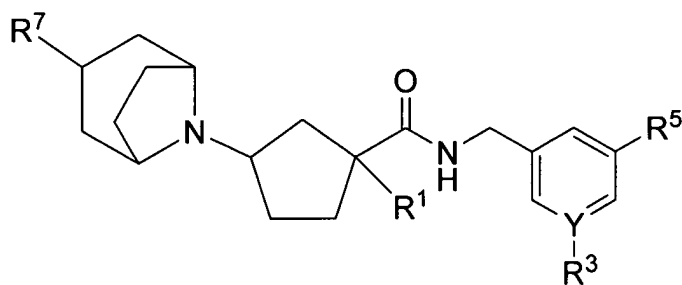
5. (original) The compound of claim 1 of the Formula Ic:



**Ic**

and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

6. (original) The compound of claim 1 of the Formula Id:



**Id**

and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

7. (original) The compound of claim 1, wherein R<sup>1</sup> is C<sub>1-6</sub>alkyl, unsubstituted or substituted with hydroxyl or 1-6 fluoro, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

8. (original) The compound of claim 6, wherein R<sup>1</sup> is selected from: -CH(CH<sub>3</sub>)<sub>2</sub>, -CH(OH)CH<sub>3</sub> and -CH<sub>2</sub>CF<sub>3</sub>, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.



9. (original) The compound of claim 1, wherein  $R^2$  is hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

10. (original) The compound of claim 1, wherein  $R^2$  is connected to  $R^{22}$  by  $-CH_2-CH_2-$ , and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

11. (currently amended) The compound of claim 1, ~~wherein, when Y is N,~~  
wherein  $R^3$  is absent, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

12. (currently amended) The compound of claim 1, ~~wherein, when Y is N,~~  
wherein  $R^3$  is O, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

13-14. (canceled)

15. (original) The compound of claim 1, wherein  $R^4$  is hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

16. (original) The compound of claim 1, wherein  $R^5$  is selected from:  $C_{1-6}$ alkyl substituted with 1-6 fluoro,  $-O-C_{1-6}$ alkyl substituted with 1-6 fluoro, chloro, bromo and phenyl, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

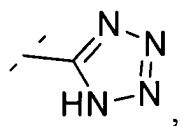
17. (original) The compound of claim 15, wherein  $R^5$  is trifluoromethyl, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

18. (original) The compound of claim 1, wherein  $R^6$  is hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

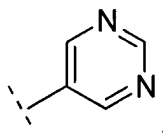
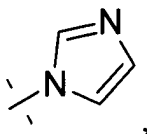
19. (original) The compound of claim 1, wherein  $R^7$  is phenyl, heterocycle,  $C_{3-7}$ cycloalkyl,  $C_{1-6}$ alkyl,  $-\text{COR}^{11}$  or  $-\text{CONH-V-COR}^{11}$ , where V is  $C_{1-6}$ alkyl or phenyl, where said phenyl, heterocycle,  $C_{3-7}$ cycloalkyl and  $C_{1-6}$ alkyl are unsubstituted or substituted with 1-5 substituents independently selected from: halo, trifluoromethyl, hydroxy,  $C_{1-3}$ alkyl,  $-\text{O-C}_{1-3}$ alkyl,  $-\text{COR}^{11}$ ,  $-\text{CN}$ , -heterocycle and  $-\text{CONR}^{12}\text{R}^{12}$ , and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

20. (original) The compound of claim 1, wherein  $R^7$  is phenyl, heterocycle,  $C_{1-4}$ alkyl,  $-\text{COR}^{11}$ , and  $-\text{CONH-V-COR}^{11}$ , where V is selected from  $C_{1-6}$ alkyl or phenyl, and where the phenyl, heterocycle, and  $C_{1-4}$ alkyl is unsubstituted or substituted with 1-3 substituents independently selected from: halo, hydroxy,  $C_{1-3}$ alkyl,  $-\text{O-C}_{1-3}$ alkyl,  $-\text{COR}^{11}$  and -heterocycle, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

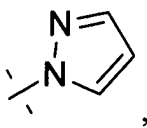
21. (currently amended) The compound of claim 1, wherein, ~~when X is C~~,  $R^7$  is selected from:



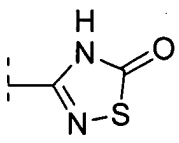
para-fluorophenyl,



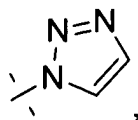
3-carboxyphenyl,



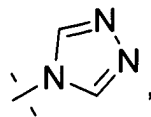
3-carboxy-4-fluorophenyl,



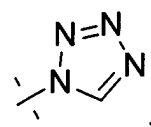
phenyl,



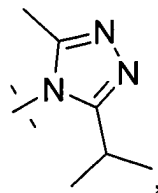
-CO<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>,



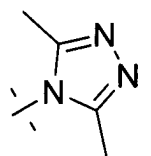
-CO<sub>2</sub>H,



-CONHCH<sub>3</sub>,



-hydroxy, and



and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

22. (currently amended) The compound of claim 1, wherein, ~~when X is C~~, R<sup>8</sup> is hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

23. (original) The compound of claim 1, wherein R<sup>9</sup> and R<sup>10</sup> are hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

24. (canceled)

25. (original) The compound of claim 1, wherein R<sup>17</sup> is hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

26. (canceled)

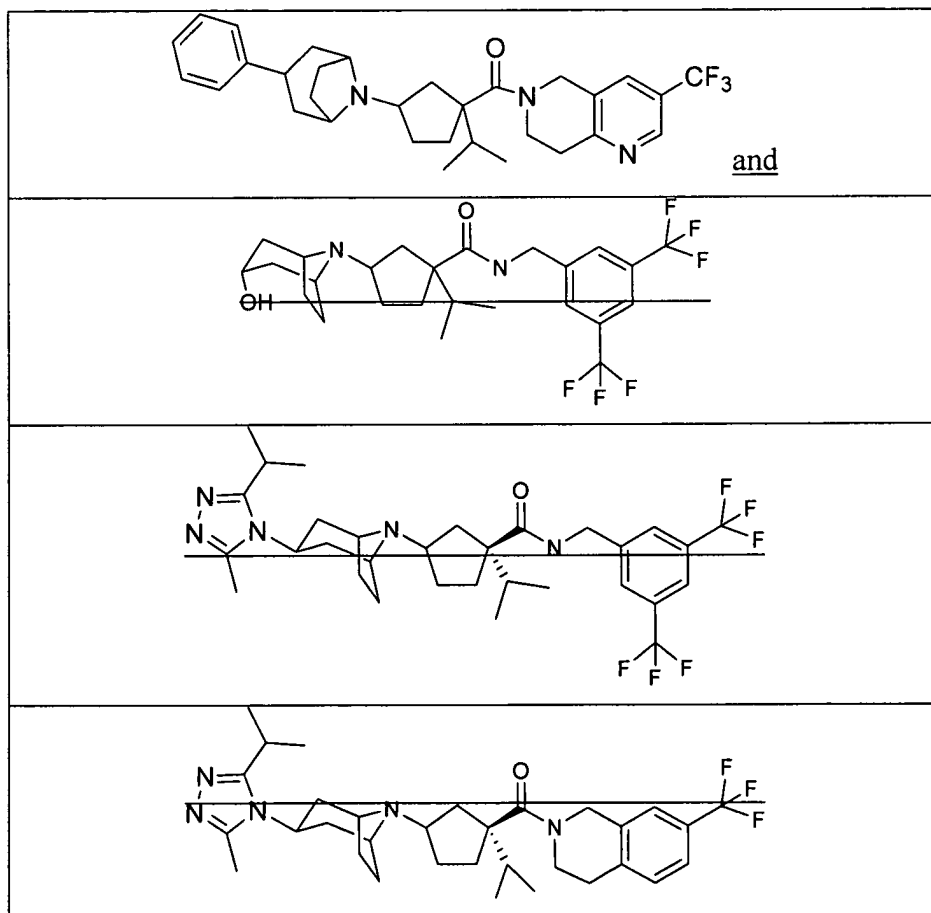
27. (original) The compound of claim 1, wherein R<sup>16</sup> and R<sup>18</sup> are joined by –CH<sub>2</sub>-CH<sub>2</sub>- to make a 5 membered heterocycle, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

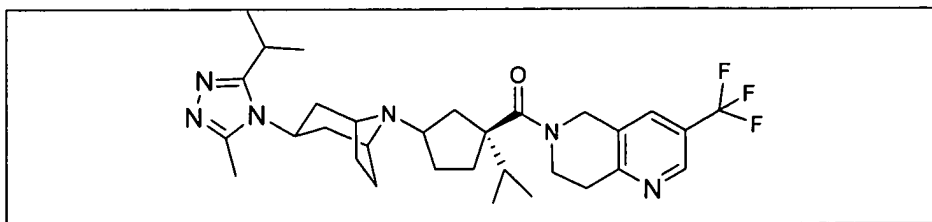
28. (original) The compound of claim 1, wherein one or more of  $R^{19}$ ,  $R^{20}$ ,  $R^{21}$  and  $R^{22}$  is hydrogen, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

29. (canceled)

30. (original) The compound of claim 1, wherein n is 1, and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

31. (currently amended) A compound selected from:





and pharmaceutically acceptable salts thereof and individual diastereomers thereof.

32. (original) A pharmaceutical composition which comprises an inert carrier and a compound of Claim 1.

33. (currently amended) A method for modulation ~~modulations~~ of chemokine receptor activity in a mammal which comprises the administration of an effective amount of a compound of Claim 1.

34. (original) A method for treating, ameliorating, controlling or reducing the risk of an inflammatory and immunoregulatory disorder or disease which comprises the administration to a patient of an effective amount of a compound of Claim 1.

35. (original) A method for treating, ameliorating, controlling or reducing the risk of rheumatoid arthritis which comprises the administration to a patient of an effective amount of a compound of Claim 1.